ISOLATION OF I2C BUSES IN A MULTIPLE POWER DOMAIN ENVIRONMENT USING SWITCHES

William Josh Price

ABSTRACT

5   A disk enclosure includes a first enclosure controller powered by a first voltage circuit and coupled to a first I2C bus, a second enclosure controller powered by a second voltage circuit and coupled to a second I2C bus, and a switch coupled between the first and the second I2C buses. The first switch de-couples the first and the second I2C buses when the voltage output of the second voltage

10   circuit falls below a predetermined threshold.